

**TABLE H.2.1–5.—Hazardous Waste Storage Capability at Y-12 Plant**

Storage Unit	Input Capability	Total Capacity (m <sup>3</sup> )	Comment
Building 9418-9	PCB-contaminated mineral oil	53	Below-grade, diked tank.
Oil Drum Storage Area (OD3)	PCB-contaminated oils	45	Site is closed except for tanker.
Oil Landfarm Soils Storage Facility	Solid hazardous waste contaminated with PCBs and volatile organics (excavated soil from the closure of the Oil Landfarm)	612	RCRA permit application submitted June 1993. No new wastes are being stored.
PCB and RCRA Hazardous Drum Storage Facility, Bldg. 9720-9 (eastern half)	Liquid and solid PCB waste	751	RCRA permit issued September 28, 1995 and TSCA permit approved September 24, 1991. Part of building included in mixed waste storage table.
PCB and RCRA Container Storage Area (Bldg. 9720-58)	Solid hazardous waste and mixed LLW	223	Permitted PCB waste materials. Mixed waste included in mixed LLW table. RCRA permit issued September 28, 1995.
RCRA Storage and Staging Area (Bldg. 9720-31)	Liquid and solid hazardous waste to include PCB-contaminated waste	170	RCRA permit issued September 28, 1995.

Source: DOE 1994n; OR DOE 1993a; OR DOE 1995g; OR MMES 1995c.

**TABLE H.2.1–6.—Low-Level Waste Treatment Capability at Oak Ridge National Laboratory**

Treatment Unit	Treatment Method(s)	Input Capability	Output Capability	Total Capacity (m <sup>3</sup> /yr)	Comment
Waste Compactor Facility (Bldg. 7831)	Compaction	Compactible solid LLW	Compacted solid LLW in B-25 3x3x4.6 m (4x4x6 ft) boxes to K-25	11,300	Design capacity.
Liquid Low-Level Waste Evaporation Facility (Bldg. 2531)	Evaporation/drying	Liquid LLW and mixed LLW	Evaporator condensates to process waste treatment plant. Some evaporator bottoms are stored at Melton Valley Facility.	18	Normal operating capacity. Maximum capacity is 4,540 L/hr for 20 days per month.
Melton Valley LLW Immobilization Facility	Liquid decantation, ion exchange, and solidification	Liquid mixed LLW and nonhazardous waste	Concrete block	189	System is limited to 189,000 L (50,000 gal) per campaign.
Process Waste Treatment Plant (Bldg. 3544)	Ion exchange, neutralization, clarification, and filter presses	Liquid LLW and mixed LLW	Solid LLW (filter cake) to storage at K-25. Wastewater is sent to nonradiological wastewater treatment plant.	265,000	Normal operating capacity. Design capacity is 390,000 m <sup>3</sup> /yr.

Source: DOE 1994k; DOE 1994n; DOE 1995gg.